

1 THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE
2 PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:

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4 1. A process for reducing sulphur gaseous emissions from a fluidized
5 bed coke burner working in tandem with a fluidized bed coker reactor, wherein
6 cold coke is circulated from the reactor to the burner, partly burned in the
7 burner and hot coke is circulated from the burner to the reactor to provide heat
8 to fluid coke oil fed to the reactor, comprising:

9 maintaining the temperature in the burner between about 550°C –
10 630°C; and

11 maintaining the coke circulation rate sufficient to meet the heat
12 requirement of the reactor.

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14 2. The process as set forth in claim 1 wherein:

15 the coke circulation rate was maintained between about 75 – 115
16 tons/minute.

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18 3. The process as set forth in claim 1 wherein:

19 the temperature in the burner was maintained at about 630°C.

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21 4. The process as set forth in claim 3 wherein:

22 the coke circulation rate was maintained at about 90 tons/minute.